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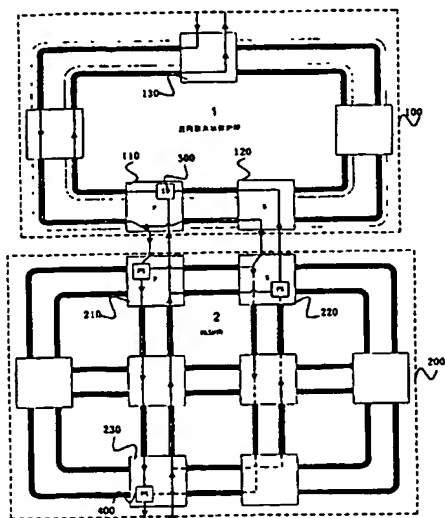
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(54) Title: AN EXCHANGE STRUCTURE AND A METHOD OF CONNECTION CONFIGURATION BETWEEN THE OPTICAL NETWORKS

(54) 发明名称: 光网络网间互通结构及其连接配置方法



(57) Abstract: The invention discloses an exchange structure and a method of connection configuration for the structure between the optical networks. The said optical network includes the first network and the second network, the first network and the second network have a number of nodes respectively, the first node of the first network connects with the third node of the second network, the second node of the first network connects with the fourth node of the second network, the method includes: establishing the first traffic channel between one of the first node and the second node, and another node of the first network; and at least by one of the connection between the first node and the third node, and the connection between the second node and the fourth node, and by the first channel, the said another node of the first network communicates with another node of the second network on traffic. By the double-node exchange structure and the traffic configuration means in this invention between a ring network and a mesh network, and between the mesh networks, the advantages of the ring network and the mesh network respectively at the aspect of the protection and the recovery are combined effectively, and the prior connection means between the ring networks is also compatible.

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(57) 摘要

公开了一种光网络的网间互通结构及其连接配置方法。所述光网络包括第一网络和第二网络，第一网络和第二网络分别具有多个节点，第一网络的第一节点与第二网络的第三节点相连，第一网络的第二节点与第二网络的第四节点相连，该方法包括：在第一节点和第二节点之一与第一网络中的另一节点之间建立第一业务通道；和通过第一与第三节点之间的连接、第二与第四节点之间的连接中至少之一和第一通道，在第一网络中的所述另一节点和第二网络中的另一节点之间进行业务通信。采用本发明中的环网和格状网之间以及格状网之间的双节点互通结构和业务配置方式，可以有效结合环网和格状网各自在保护和恢复方面的优势，同时也兼容了原有的环间连接方式。